

### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### Listing of Claims

---

B1  
Claim 1 (currently amended): A method of regenerating an ion exchange resin, ~~comprising~~ consisting of the steps of:

packing a used ion exchange resin in a regeneration tower; and

sequentially repeating, at least twice, a step comprising passing an aqueous solution of regenerant through the regeneration tower downward from a top part of the regeneration tower and thereafter passing ultra-pure water through the regeneration tower upward from a bottom of the regeneration tower.

Claim 2 (original): The method as claimed in claim 1, wherein the aqueous solution of regenerant is passed downward at a space velocity of 1 to 5 hr<sup>-1</sup> while the ultra-pure water is passed upward at a space velocity of 10 to 30 hr<sup>-1</sup>.

Claim 3 (original): The method as claimed in claim 1, wherein, in the regeneration tower, parts brought into contact with the ion exchange resin, the regenerant and the ultra-pure water are composed of a fluororesin, a vinyl chloride resin or a polyolefin resin.

Claim 4 (original): The method as claimed in claim 2, wherein, in the regeneration tower, parts brought into contact with the ion exchange resin, the regenerant and the ultra-pure water are composed of a fluororesin, a vinyl chloride resin or a polyolefin resin.

---